

May 24, 2013

To: Executive Board

Subject: **Industry Park & Ride: Special Inspections and Materials Testing**

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### **Recommendation**

Authorize the expenditure of the amounts listed below for the special inspection and materials testing services required during the remaining construction of the Industry Park & Ride Project:

- \$250,000 for Special Inspection Services
- \$60,000 for Materials Testing Services

### **Analysis**

In order to ensure that the construction of the Industry Park & Ride structure meets legal standards and the quality control requirements are as specified in the contract plans and specifications, special inspection and materials testing services are required. Materials testing and inspection services are performed by an independent testing and inspection agency under contract to Foothill Transit. These services do not relieve the contractor of its responsibility for compliance.

The third-party inspector is at the project site full-time during the construction phase. The consulting laboratory utilized by the third-party inspector has the ability to satisfy the requirements of the City of Industry, Los Angeles County and the State of California for materials testing, licenses and reporting as well as qualifications to meet all standards and requirements for report analysis and recommendations. Test and inspection reports are submitted to appropriate governmental agencies and conform to the requirements of the International Building Code (IBC) and all other applicable standards.

On January 10, 2012, a Request for Proposals for Special Inspection and Materials Inspection Services was issued. After a thorough evaluation of proposals, Foothill Transit entered into Agreement No. 12-027 with the RMA Group in April 2012 for Special Inspection and Materials Testing Services. The contract terms stipulate that invoicing and payment are on a time and materials basis, and the consultant charges on an hourly or test rate basis to perform materials testing and special inspection services during construction.

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To date, Foothill Transit has paid \$53,881 for Special Inspection Services and \$17,735 for Materials Testing Services as detailed below.

Item	Quantity	Unit	Unit Price	Total
Special Inspection Concrete Sampling	420	hours	\$110	\$46,200
Special Inspection Post-Tensioned Concrete	0	hours	\$110	\$0
Special Inspection Masonry	46.5	hours	\$110	\$5,115
Special Inspection Welding and High Strength Bolting	0	hours	\$110	\$0
Administrative/Clerical Support 5% of Total				\$2,565
Special Inspection Services				\$53,881

Item	Quantity	Unit	Unit Price	Total
Project Engineer – Laboratory	7.25	hours	\$165	\$1,196
Project Engineer	4	hours	\$165	\$660
Staff Engineer	9	hours	\$145	\$1,305
Concrete Technician	0	hours	\$105	\$0
Field Supervisor	3	hours	\$130	\$390
Project Manager	17	hours	\$155	\$2,635
Pick-up and Delivery of Test Specimens	24	hours	\$65	\$1,560
Concrete Cylinder Cured and/or Comp Tested	93	each	\$34	\$3,162
Tension & Bend- Rebar Up to #11	30	each	\$120	\$3,600
Block Compressive Strength	11	sets	\$80	\$880
Mortar Cylinder Compression	22	each	\$38	\$836
Grout Prism Compression	12	each	\$38	\$456
Masonry Assemblage Comp. Strength 8 inch Block	2	each	\$105	\$210
Masonry Assemblage Comp. Strength 12 inch Block	0	each	\$125	\$0
Administrative/Clerical Support 5% of Total				\$844
Materials Testing Services				\$17,735

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The amounts below are estimates of additional testing needed through completion of the Project and are based on estimated hours and material quantities after review of the construction schedule, construction drawings and revised drawings that were available as of the end of March 2013.

Item	Quantity	Unit	Unit Price	Total
Special Inspection Concrete Sampling	296	hours	\$110	\$32,560
Special Inspection Post-Tensioned Concrete	616	hours	\$110	\$67,760
Special Inspection Masonry	400	Hours	\$110	\$44,000
Special Inspection Welding and High Strength Bolting	380	Hours	\$110	\$41,800
Administrative/Clerical Support 5% of Total				\$9,306
Special Inspection Services				<b>\$195,426</b>

Item	Quantity	Unit	Unit Price	Total
Project Engineer – Laboratory	27	Hours	\$165	\$4,455
Project Engineer	27	Hours	\$165	\$4,455
Staff Engineer	16	Hours	\$145	\$2,320
Project Manager	27	Hours	\$155	\$4,185
Pick-up and Delivery of Test Specimens	65	Hours	\$65	\$4,225
Concrete Cylinder Cured and/or Comp Tested	210	Each	\$34	\$7,140
Tension & Bend- Rebar Up to #11	48	Each	\$120	\$5,760
Mortar Cylinder Compression	66	Each	\$38	\$2,508
Grout Prism Compression	64	Each	\$38	\$2,432
Masonry Assemblage Comp. Strength 8 inch Block	12	Each	\$105	\$1,260
Masonry Assemblage Comp. Strength 12 inch Block	6	Each	\$125	\$750
Administrative/Clerical Support 5% of Total				\$1,974
Materials Testing Services				<b>\$41,465</b>

In summary, to date Foothill Transit has spent the following amounts:

- Special Inspection Services-- \$53,881
- Materials Testing Services-- \$17,735

For the remainder of the construction schedule (through August 13, 2013), it is estimated that the following amounts will be required:

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- Special Deputy Inspection Services -- up to \$195,426
- Materials Testing Services -- up to \$41,465

Project Total:

- Special Deputy Inspection Services--up to \$249,307
- Materials Testing Services up to--\$59,200

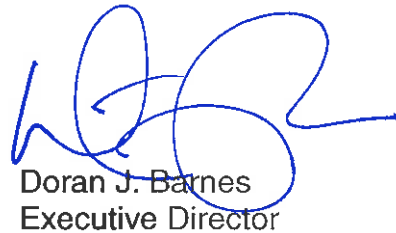
**Fiscal Impact**

Funds for the project are included in Foothill Transit's FY 2013 Business Plan.

Sincerely,



Sharlane R. Bailey  
Director of Facilities



Doran J. Barnes  
Executive Director